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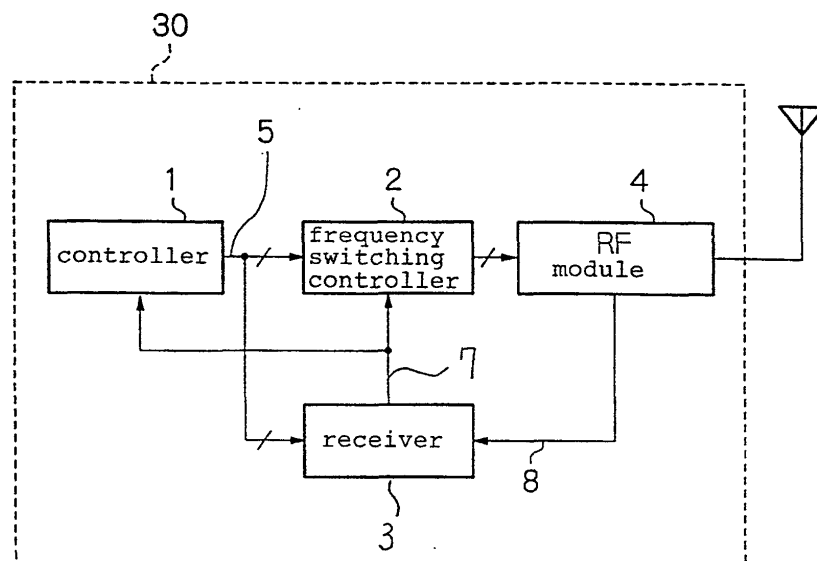
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(54) **Vehicle-mounted device with sleep function for use in road-to-vehicle communication system**

(57) There is disclosed a vehicle-mounted device (30) with a sleep function for use in a road-to-vehicle communication system. After having indicated a switching period T_1 and reception frequencies F_1, F_2 to a frequency switching controller (2), a controller (1) stops operation of an internal counter, and enters a sleep mode until it cancels the sleep mode in response to a detected

signal from a receiver (3). While a vehicle with the vehicle-mounted device (30) is running outside of a communication range of a road radio unit installed at a toll gate or the like, the frequency switching controller (2) independently performs a frequency search process on an RF module (4), and the controller (1) is in the sleep mode. Therefore, the vehicle-mounted device (30) has a relatively low power requirement.

Fig. 4





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EUROPEAN SEARCH REPORT

Application Number
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